

Dehumidifier

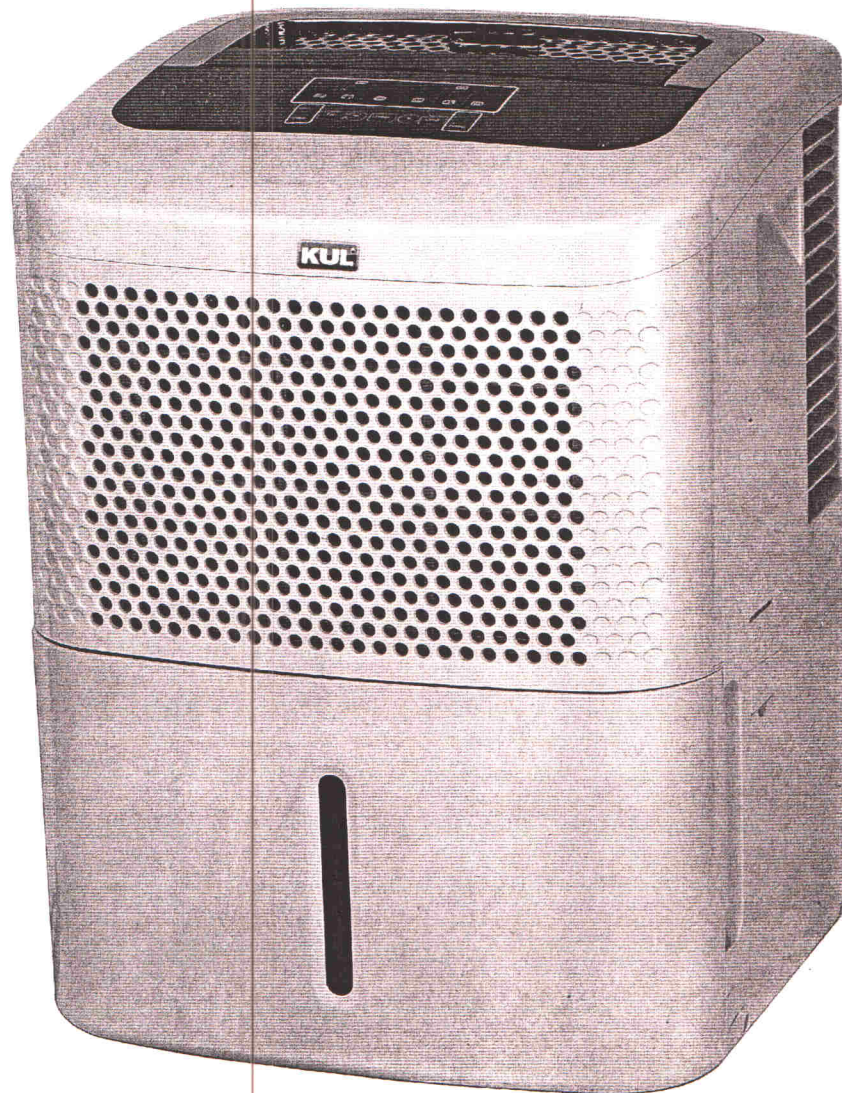
User Manual

Models:

KU34293 30 Pint

KU34393 40 Pint

KU34643 65 Pint





Before Operating this products, please read the instructions carefully and save this manual for future use.



SAFETY PRECAUTIONS

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage.

■ The seriousness is classified by the following indications.

 WARNING	This symbol indicates the possibility of death or serious injury.
 CAUTION	This symbol indicates the possibility of injury or damage to property.

■ Meanings of symbols used in this manual are as shown below.

	Never do this.
	Always do this.

WARNING

ⓘ **Do not exceed the rating of the power outlet or connection device.**

- Otherwise, it may cause electric shock or fire due to excess heat generation.

ⓘ **Do not operate or stop the unit by switching on or off the power.**

- It may cause electric shock or fire due to heat generation.

ⓘ **Do not damage or use an unspecified power cord.**

- It may cause electric shock or fire.

ⓘ **Do not modify power cord length or share the outlet with other appliances**

- It may cause electric shock or fire due to heat generation.

ⓘ **Do not insert or pull out plug with wet hands.**

- It may cause electric shock.

ⓘ **Do not place the unit near a heat source.**

- Plastic parts may melt and cause a fire.

ⓘ **Disconnect the power if strange sounds, smell, or smoke comes from it.**

- It may cause fire and electric shock.

ⓘ **You should never try to take apart or repair the unit by yourself.**

- It may cause failure of machine or electric shock.

ⓘ **Before cleaning, turn off the power and unplug the unit.**

- It may cause electrical shock or injury.

ⓘ **Do not use the machine near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.**

- It may cause an explosion or fire.

ⓘ **Do not drink or use the water drained from air conditioner.**

- It contains contaminants and could make you sick.

ⓘ **Do not open the unit during operation.**

- It may cause electric shock.

CAUTION

ⓘ **When using in closets or other small spaces, be sure to keep doors open.**

- Lack of ventilation can cause overheating and fire.

ⓘ **Do not put in places where water may splash onto the unit.**

- Water may enter the unit and degrade the insulation. It may cause an electric shock or fire.

ⓘ **Place the unit on a level, sturdy section of the floor.**

- If the unit falls over, it may cause water to spill and damage belongings, or cause electrical shock or fire.

SAFETY PRECAUTIONS

CAUTION

⊘ Do not cover the intake or exhaust openings with cloths or towels.

- A lack of air flow can lead to overheating and fire.

⊘ When the unit is to be cleaned, switch off, and turn off the circuit breaker.

- Do not clean unit when power is on as it may cause fire and electric shock, it may cause an injury.

⊘ Always insert the filters securely. Clean filter once every two weeks.

- Operation without filters may cause failure.

⊘ Care should be taken when using the unit in a room with the following persons:

- Infants, children, elderly people, and people not sensitive to humidity.

⊘ Do not place heavy object on the power cord and take care so that the cord is not compressed.

- There is danger of fire or electric shock.

⊘ If water enters the unit, turn the unit off and disconnect the power, contact a qualified service technician.

- It may cause failure of appliance or accident.

⊘ Do not use in areas where chemicals are handled.

- This will cause the unit deterioration due to chemicals and solvents dissolved in the air.

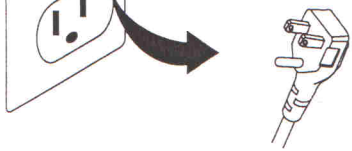
⊘ Do not climb up on or sit on the unit.

- You may be injured if you fall or if the unit falls over.

⊘ Do not place flower vases or other water container on top of the unit.

- Water may spill inside the unit, causing insulation failure and electrical shock or fire.

Do not, under any circumstances, cut, remove, or bypass the grounding prong.



This unit is grounded through the power cord plug when plugged into a matching wall outlet.

NOTE: The illustration is for explanation purpose only. The actual shape of the plug and wall outlet may be different.

Electrical Information

- The manufacturer's nameplate is located on the rear panel of the unit and contains electrical and other technical data specific to this unit.
- Be sure the air conditioner is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- Your air conditioner must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
- Ensure the receptacle is accessible after the unit installation.
- **Do not use extension cords or an adapter plugs with this unit.** However, if it is necessary to use an extension cord, use an approved "air conditioner" extension cord only (available at most local hardware stores).
- To avoid the possibility of personal injury, always disconnect the power supply to the unit, before installing and/or servicing.

CONTROL PADS ON THE DEHUMIDIFIER

NOTE: The control panel of the unit you purchased may be slightly different according to the models.

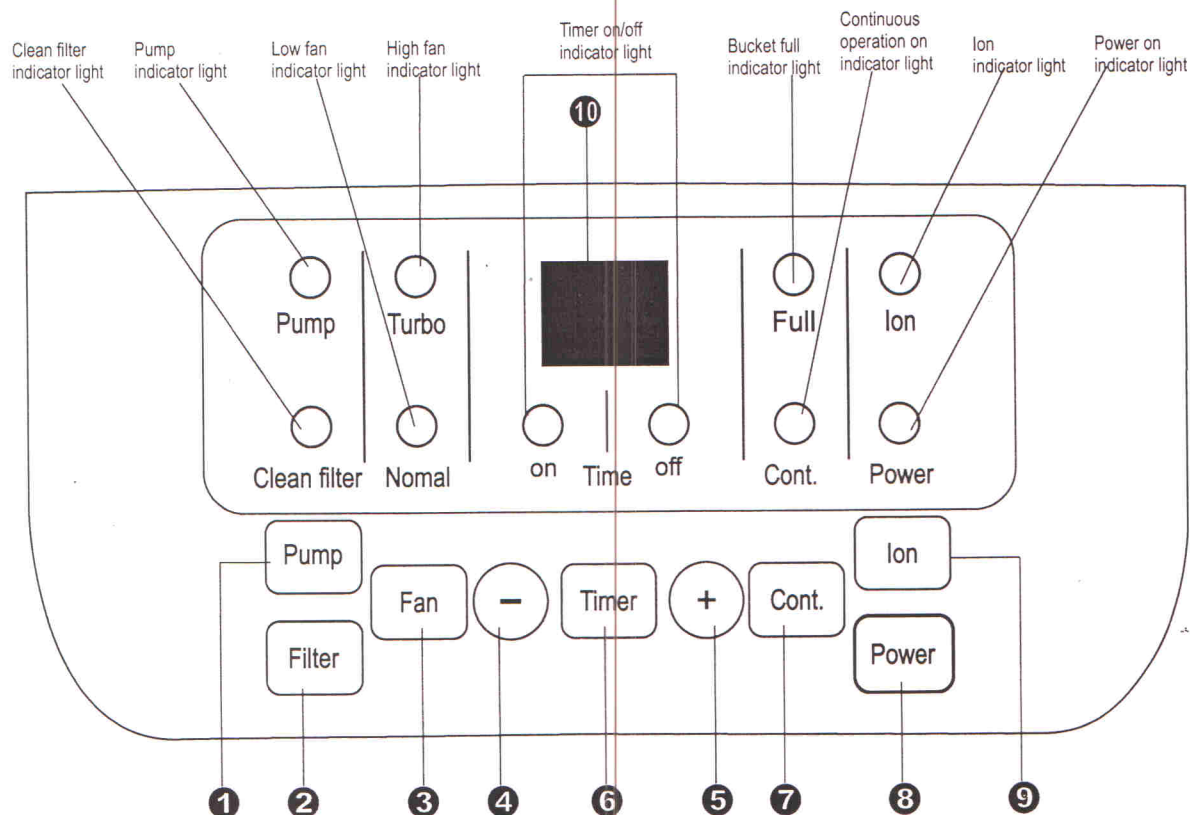


Fig. 1

Control pads

When you push the button to change operation modes, the unit will make a beep sound to indicate that it is changing modes.

❶ Pump Pad(optional)

Press to activate water pumped drainage feature.
Press it again to cancel.

❷ Filter Pad

The check filter feature is a reminder to clean the Air Filter for more efficient operation. The LED light will illuminate after 250 hours of operation. To reset after cleaning the filter, press the CHECK FILTER pad and the light will go off.

❸ Fan Pad

Control the fan speed. Press to select either High or Normal fan speed. Set the fan control to High for maximum moisture removal. When the humidity has been reduced and quiet operation is preferred, set the fan control to Normal.

❹❺ ⊖/⊕ : Down/Up Pads

● Humidity Set Control Pads

The humidity level can be set within a range of 35%RH(Relative Humidity) to 85%RH(Relative Humidity) in 5% increments.

For drier air, press the ⊖ pad and set to a lower percent value(%).

For damper air, press the ⊕ pad and set a higher percent value(%).

● Timer Set Control Pads

Use the Up/Down pads to set the Auto start and Auto stop time from 0.0 to 24.

CONTROL PADS ON THE DEHUMIDIFIER

⑥ Timer Pad

Press to initiate the Auto start and Auto stop feature, in conjunction with the \oplus and \ominus key pads.

⑦ Continue Pad

press to activate the continuous dehumidifying operation.

⑧ POWER Pad

Press to turn the dehumidifier on and off.

⑨ ION Pad(optional)

Press to activate the ionizer. Anions are automatically generated by ionization. The anions deactivate the airborne chemical vapors and dust particles. Press it again to stop the function.

⑩ Display

Shows the set % humidity level from 35% to 85% or auto start/stop time (0~24) while setting, then shows the actual ($\pm 5\%$ accuracy) room % humidity level in a range of 30% RH(Relative Humidity) to 90%RH(Relative Humidity).

Error Codes:

AS- Humidity sensor error--Unplug the unit and plug it back in. If error repeats, call for service.

ES- Temperature sensor error-- Unplug the unit and plug it back in. If error repeats, call for service.

P1- Unit is defrosting-- Allow the unit time to automatically defrost. The error will clear after the unit self defrosts.

P2- Bucket is full-- Empty the bucket and replace in the right position.

E1- Unit malfunction-- Unplug the unit and plug it back in. If error repeats, call for service.

Other features

Bucket Full Light

Glow when the bucket is ready to be emptied, or when the bucket is removed or not replaced in the proper position.

Auto Shut Off

The dehumidifier shuts off after 3 minutes when the bucket is full, or when the bucket is removed or not replaced in the proper position. When the setting humidity is reached, the unit will be shut off automatically.

Auto Defrost

When frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears.

Wait 3 minutes before resuming operation

After the unit has stopped, it can not be restart operation in the first 3 minutes. This is to protect the unit. Operation will automatically start after 3 minutes.

Check filter feature

The system starts to count the time once the fan motor operates. The check filter feature can be only activated when the accumulated operation time achieves 250 hours or more. The CHECK FILTER indicator light flashes at 1Hz, after finishing clean the air filter, press the Filter pad and the CHECK FILTER indicator light goes off.

Power Outage

In the case of a power outage or interruption, the unit will automatically re-start, in the settings last used, after the power is restored.

Setting the Timer

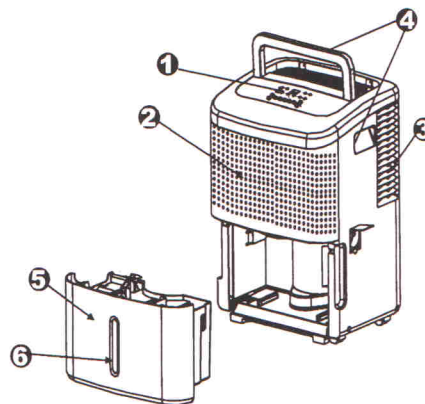
- When the unit is on, first press the Timer button, the TIMER OFF indicator light illuminates. It indicates the Auto Stop program is initiated.
- When the unit is off, first press the Timer button, the TIMER ON indicator light illuminates. It indicates the Auto Start program is initiated.
- Press or hold the UP or DOWN pad to change the Auto time by 0.5 hour increments, up to 10 hours, then at 1 hour increments up to 24 hours. The control will count down the time remaining until start.
- The selected time will register in 5 second and the system will automatically revert back to display the previous humidity setting.
- When the Auto start & Auto stop times are set, within the same program sequence, TIMER ON OFF indicator lights illuminate identifying both ON and OFF times are now programmed.
- Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Auto Start/Stop function.
- When LED display window displays the code of P2, the Auto Start/Stop function will also be cancelled.

IDENTIFICATION OF PARTS

Identification of parts

Front

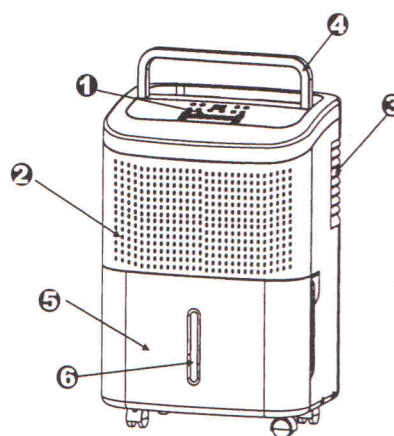
- ❶ Control panel
- ❷ Air intake grille
- ❸ Air outlet grille
- ❹ Handel
- ❺ Water bucket
- ❻ Water level window



Model A

Rear

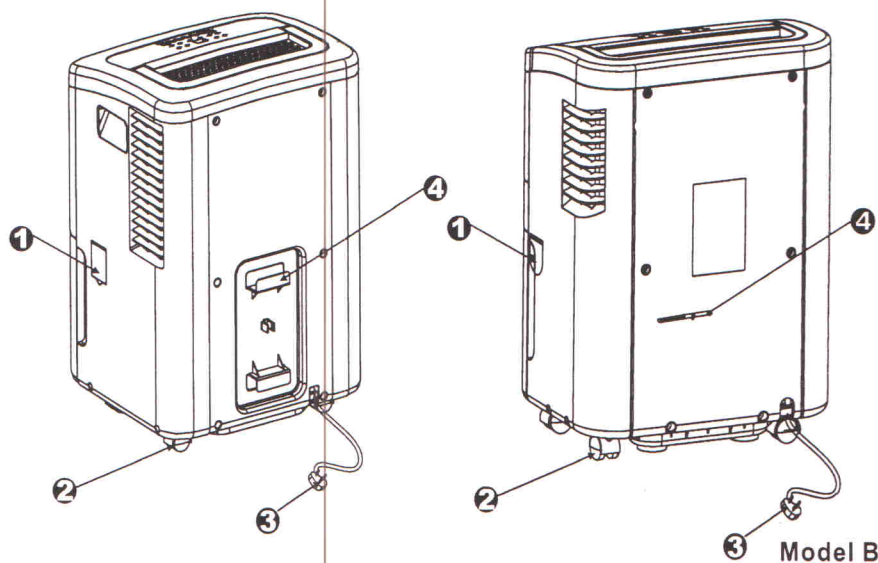
- ❶ Drain hose outlet
- ❷ Caster
- ❸ Power Cord and plug
- ❹ Power cord Buckle (model A) or Band (model B) (Used only when storing the unit.)



Model B

Fig.2

NOTE: All the pictures in the manual are for explanation purposes only. The actual shape of the unit you purchased may be slightly different, but the operations and functions are the same.



Model A

Model B

Fig.3

OPERATING THE UNIT

Removing the collected water

There are two ways to remove collected water.

1. Use the bucket

- When the unit is off, if the bucket is full, the unit will beep 8 times and the Full indicator light will flash, the digital display shows P2.
- When the unit is on, if the bucket is full, the compressor turns off and the fan turns off after 3 minutes for drying the water of the condenser, then the unit will beep 8 times and the Full indicator light will flash, the digital display shows P2.
- Slowly pull out the bucket. Grip the left and right handles securely, and carefully pull out straight so water does not spill. Do not put the tank on the floor because the bottom of the bucket is uneven. Otherwise the bucket will fall and cause the water to spill. Throw away the water and replace the bucket. The bucket must be in place and securely seated for the dehumidifier to operate.
- The machine will re-start when the bucket is restored in its correct position.

NOTES:

- When you remove the bucket, do not touch any parts inside of the unit. Doing so may damage the product.
- Be sure to push the bucket gently all the way into the unit. Banging the bucket against anything or failing to push it in securely may cause the unit not to operate.
- When you remove the bucket, if there is some water in the unit you must dry it.

2. Continuous draining

Water can be automatically emptied into a floor drain by attaching the unit with a water hose (Φ 24mm) (not included).

- Remove the water bucket from the unit and set aside.
- Lift up the side flap located on the right side of the unit as looking from the front. (Fig.8)
- Insert the female threaded end of the hose through the opening. (Fig.9a)
- Screw the garden hose onto the threaded portion of the tray underneath the bucket opening. (Fig.9b)
- Make sure the hose is secure so there are no leaks.
- Direct the hose toward the drain, making sure that there are no kinks that will stop the water flowing.
- Place the end of the hose into the drain.
- Place the bucket back in the unit and make sure that it is located correctly. (Fig.9c)
- Select the desired humidity setting and fan speed on the unit for continuous draining to start.

NOTE: If the unit stops operating, check that the bucket full light is illuminated. If it is, remove the bucket and empty the contents and then check the seal between the hose and the drip tray. If there is a small leak then replace the hose gasket and re-tighten the hose.

1. Pull out the bucket a little.

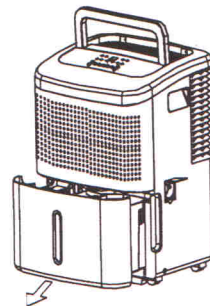


Fig.5

2. Hold both sides of the bucket with even strength, and pull it out from the unit.

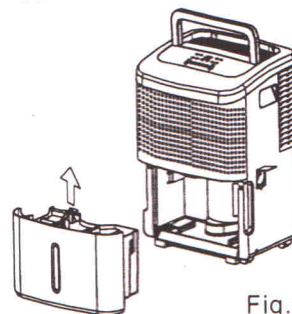


Fig.6

3. Pour the water out.

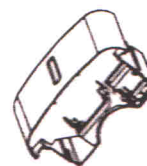


Fig.7

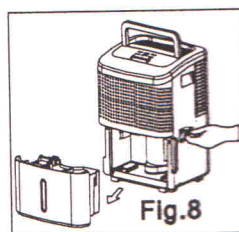


Fig.8

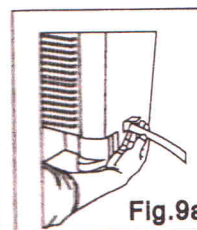


Fig.9a

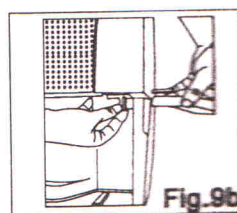


Fig.9b

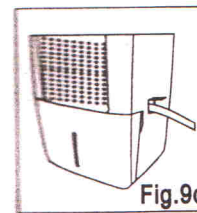


Fig.9c

CARE AND MAINTENANCE

Care and cleaning of the dehumidifier

Turn the dehumidifier off and remove the plug from the wall outlet before cleaning.

1. Clean the Grille and Case

- Use water and a mild detergent. Do not use bleach or abrasives.
- Do not splash water directly onto the main unit. Doing so may cause an electrical shock, cause the insulation to deteriorate, or cause the unit to rust.
- The air intake and outlet grilles get soiled easily, so use a vacuum attachment or brush to clean.

2. Clean the bucket

Every few weeks, clean the bucket to prevent growth of mold, mildew and bacteria. Partially fill the bucket with clean water and add a little mild detergent. Swish it around in the bucket, empty and rinse.

NOTE: Do not use a dishwasher to clean the bucket. After clean, the bucket must be in place and securely seated for the dehumidifier to operate.

3. Clean the air filter

- Remove the filter every two weeks based on normal operating conditions.
- To remove the filter, remove Bucket the pull filter downwards.
- Wash the filter with clean water then dry.
- Re-install the filter, replace Bucket.

CAUTION:

DO NOT operate the dehumidifier without a filter because dirt and lint will clog it and reduce performance.

4. When not using the unit for long time periods

- After turning off the unit, wait one day before emptying the bucket.
- Clean the main unit, water bucket and air filter.
- Twist the cord on the buckle (Fig. 12a) or wrap the cord and bundle it with the band (Fig. 12b).
- Cover the unit with a plastic bag.
- Store the unit upright in a dry, well-ventilated place.

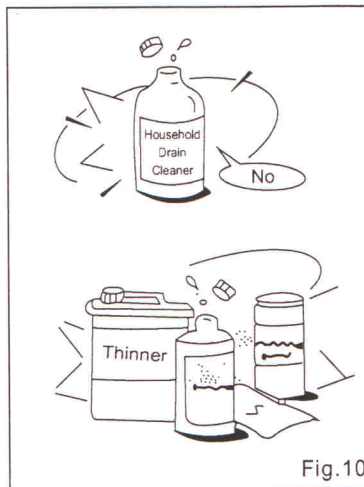


Fig. 10

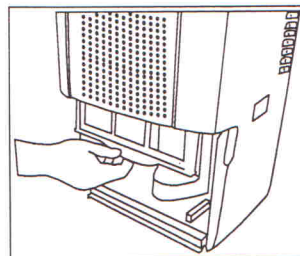


Fig. 11

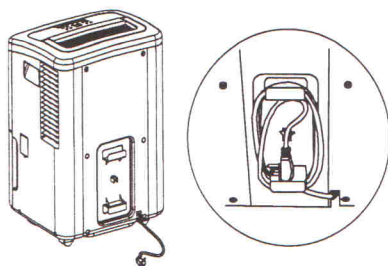


Fig. 12a

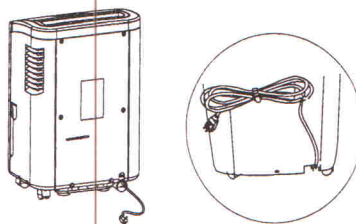


Fig. 12b

TROUBLESHOOTING TIPS

Before calling for service, review the chart below first yourself.

Problem		What to check
Unit does not start	➔	<ul style="list-style-type: none">● Make sure the dehumidifier's plug is pushed completely into the outlet.● Check the house fuse/circuit breaker box.● Dehumidifier has reached its preset level or bucket is full.● Water bucket is not in the proper position.
Dehumidifier does not dry the air as it should	➔	<ul style="list-style-type: none">● Did not allow enough time to remove the moisture.● Make sure there are no curtains, blinds or furniture blocking the front or back of the dehumidifier.● The humidity control may not be set low enough.● Check that all doors, windows and other openings are securely closed.● Room temperature is too low, below 5°C(41°F).● There is a kerosene heater or something giving off water vapor in the room.
The unit makes a loud noise when operating	➔	<ul style="list-style-type: none">● The air filter is clogged.● The unit is tilted instead of upright as it should be.● The floor surface is not level.
Frost appears on the coils	➔	<ul style="list-style-type: none">● This is normal. The dehumidifier has Auto defrost feature.
Water on floor	➔	<ul style="list-style-type: none">● Hose to connector or hose connection may be loose.● Intend to use the bucket to collect water, but the back drain plug is removed.
ES, AS, P1 or P2 appear in the display	➔	<ul style="list-style-type: none">● These are error codes. See the CONTROL PADS ON THE DEHUMIDIFIER section.